**ASSIGNMENT 3**

**INTERFACING LED BLINKING WITH RASPBERRY PI:**

import RPi.GPIO as GPIO

import time

LED\_PIN = 17

GPIO.setmode(GPIO.BCM)

GPIO.setup(LED\_PIN, GPIO.OUT)

GPIO.output(LED\_PIN, GPIO.HIGH)

time.sleep(1)

GPIO.output(LED\_PIN, GPIO.LOW)

GPIO.cleanup()

INTERFACING TRAFFIC LIGHTS WITH RASPBERRY PI

Import Rpi.GPIO as GPIO

From time import sleep

GPIO.setmode(GPIO.BOARD)

GPIO.setup(16,GPIO.OUT)

GPIO.setup(18,GPIO.OUT)

GPIO.setup(22,GPIO.OUT)

GPIO.output(16,False)

GPIO.output(18,False)

GPIO.output(22,False)

While True:

GPIO.output(16,True)

GPIO.output(18,False)

GPIO.output(22,False)

Sleep(5)

GPIO.output(16,False)

GPIO.output(18,True)

GPIO.output(22,False)

Sleep(3)

GPIO.output(16,False)

GPIO.output(18,False)

GPIO.output(22,True)

Sleep(1)

GPIO.cleanup()